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TITLE Sky Clarity Comparison between Riga and Metsahovi SLR Stations

ABSTRACT

In this paper we present the preliminary work on comparing the satellite sky clarity conditions for two close (~320 km) SLR stations: 1884 Riga (Latvia) and Metsahovi (Finland).

Sky clarity measurements are now done on regular basis in both stations by Aurora Cloud Sensor III (Riga) and Boltwood Cloud Sensor II (Metsahovi), complemented by all-sky cameras.

We plan to do a long term evaluation about the feasibility of optimizing the work load and in particular about future multi-static Space Debris observations.

Sky clarity values are compared with images from all-sky cameras and from visibility values from web services as MeteoBlue astronomical seeing prognosis (https://www.meteoblue.com/en/weather/forecast/seeing/riga_latvia_456172 and https://www.meteoblue.com/en/weather/forecast/seeing/veikkola_finland_632024)